

# PEEYUSH AGARWAL

Junior Undergraduate  
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## Academic Qualifications

Year	Degree	Institute	CPI
2016*	B.Tech.	Indian Institute of Technology Kanpur	9.1/10
2012	AISSCE (CBSE XII)	Saint Xavier's Sr. Sec. School, Jaipur	91.0%
2010	AISSE (CBSE X)	Saint Xavier's Sr. Sec. School, Jaipur	10/10

\*Expected Year of Graduation

## Scholastic Achievements

- Secured **All India Rank 171** among more than **500,000 students** in **IIT-JEE 2012**
- Secured **All India Rank 746** among more than **1,100,000 students** in **AIEEE 2012**
- Awarded **Certificate of Merit** (Top 1%) by CBSE for **outstanding performance** in **All India Secondary School Examination**
- Awarded **Kishore Vaigyanik Protsahan Yojana fellowship** by Government of India for exceptional aptitude and caliber
- Received **Academic Excellence Award** for **outstanding performance** in academics at IIT Kanpur
- Secured **1st position** in 5th Rajasthan State Level UCMAS Abacus and Mental Arithmetic Competition
- Secured **8th position** in 7th All India UCMAS Abacus and Mental Arithmetic Competition

## Work Experience

**Software Developer** **Google Summer of Code** **May 2014 – Aug 2014**

Designed and developed Data Analytics Log Manager, a platform for detailed user level data analytics. It provides

- An API for receiving log data consisting of arbitrary key value pairs
- Tools to filter, analyze and visualize this data
- Capability to create a parent-child relationship and add synthetic/computed data
- Intuitive interface, thus enabling use by field experts (who may not have prior programming experience)
- Authentication and authorization to help protect the data

**Co-Founder and Technical Lead** **Manaple Technologies** **Nov 2013 – Mar 2014**

Built a customer engagement platform for retailers which consists of

- A web app (optimized for tablets) to collect customer feedback and contact details
- Functionality to send SMS and emails to customers for targeted campaigns
- Different access levels from store staff to store owner and analytics of data collected from customers

## Projects

**Content Aware Mail Classifier** **Programming Club, IIT Kanpur** **May 2013 – Jun 2013**

Created a mail classifier based on bag of words model using publicly available Enron mail database

- Studied and implemented various supervised learning algorithms like Multiclass-SVM, Naive Bayes and Random forests
- Used basic Natural Language Processing techniques like POS-tagging and stemming
- Built the main testing and classification module using python, python-nltk, scikit-learn and weka
- Also built a prototype for Gmail using Google App script

**Moody Trudes!** **Yahoo!'s R&D Team** **Aug 2013**

Used Machine Learning to analyze the mood of a person based on his/her social media updates

**Online Medical Store** **Open Source Project** **Dec 2013**

Built a store consisting of Products Maintenance System, Catalog, Cart and Check Out System using Ruby on Rails

**Eduvate** **Open Source Project** **Mar 2014**

Built an educational web app to help children master a language faster. The app displays a word randomly and analyzes user's pronunciation of the word using Google's Speech2Text API; Also tells the correct pronunciation for the word

## Technical Skills

Programming Languages C++, Ruby, C, Python, Shell Scripting, Perl, MySQL  
Web Development HTML, CSS, JavaScript, Ruby on Rails, jQuery, KnockoutJS, Bootstrap, RSpec  
Tools Latex, GIT, Octave, Weka  
Cloud Platforms AWS, Heroku

## Relevant Courses

Fundamentals of Computing	Data Structures and Algorithms	Computer Organization	Discrete Mathematics
Computing Laboratory	Introduction to Logic	Abstract Algebra	Machine Learning
Operating Systems*	Advanced Algorithms*	Computer Networks*	Theory of Computation*

\*Ongoing

## Positions of Responsibility

### Executive, Public Relations, Techkriti'14

- Led a team of more than 20 volunteers to organize talks, shows and exhibitions in the biggest festival at IIT Kanpur
- Organized Pre-Fest talks by Dr. Hans Rosling and Wing Commander Rakesh Sharma for the first time in campus
- Hosted 11 guest lectures, 13 exhibitions and 6 technical shows from 8 different countries

### Coordinator, Computing Events, Techkriti'14

- Designed and tested problem statements for programming events with prize money worth \$4000
- Invited experts for evaluating competitions and ensured smooth execution of competitions and workshops

### Mentor, Association of Computing Activities, IIT Kanpur

- Mentored Computer Science students and introduced them to Linux and Web Development
- Organized sessions to teach computer science basics and assisted them in building an online store